

CLAIMS

What is claimed is:

- 1 1. A computer-readable medium having stored thereon a data structure for data
2 presented in tabular lists in a web based management interface, said data structure
3 comprising:
4 a page pointer table including link entries for each of a plurality of web pages
5 selectable for display;
6 one or more repeatable data structures, each of said repeatable data structures
7 being linked to one of said plurality of web pages; and
8 one or more page maps, each of said repeatable data structures having a
9 corresponding page map, each said corresponding page map pointing to one or more
10 corresponding tabular lists in a corresponding repeatable data structure.
- 1 2. A computer-readable medium as in claim 1, wherein said page pointer table
2 includes at least one null entry for a web page that does not include any said repeatable
3 data structure.
- 1 3. A computer-readable medium as in claim 1, wherein said page pointer table
2 includes a link to each of said one or more page maps.
- 1 4. A computer-readable medium as in claim 3, wherein said page pointer table
2 indicates the length of each of said one or more page maps.
- 1 5. A computer-readable medium as in claim 4, wherein at least one said
2 corresponding page map includes a plurality of entries, each of said plurality of entries
3 pointing to a corresponding one of said corresponding tabular lists.

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1 6. A computer-readable medium as in claim 5, wherein each entry in said plurality
2 of entries includes an offset from a first listed data element and a plurality of listed data
3 elements in said corresponding one.

1 7. A computer-readable medium as in claim 5, wherein said page pointer table is
2 included in executable modules generating selected web pages for display from said
3 plurality of web pages and adding web pages to said plurality of web pages increases the
4 size of each of said executable modules only by the length of the corresponding said page
5 pointer entry for each said added page.

1 8. A collaborative design system for designing web-based management interfaces
2 with design functions distributed amongst a number of design groups, each said web-
3 based management interface providing selection amongst a plurality of web pages
4 selectable for display, said system comprising:
5 a data generation module generating variable data for display;
6 a collection of hypertext mark up language (HTML) template files, ones of said
7 HTML template files including placeholders in markup text for dynamic input data;
8 a page generation module selectively providing HTML documents from said
9 HTML template files, said page generation module combining said variable data with
10 said placeholders in selected said ones; and
11 each of said data generation module and said page generation module including a
12 page pointer table with a single entry for each of said HTML template files, each said
13 single entry for each of said ones pointing to a corresponding repeatable data structure
14 and a page map for tabular data lists in said corresponding repeatable data structure, said
15 tabular data lists being displayed as a table on a generated said HTML document.

1 9. A collaborative design system as in claim 8, wherein adding HTML template files
2 increases the size of each of said data generation module and said page generation

3 module only by the length of a corresponding said single entry for each said added
4 HTML template file.

1 10. A collaborative design system as in claim 8, wherein each said single entry further
2 includes a number indicating the length of said page map.

1 11. A collaborative design system as in claim 8, wherein at least one said page map
2 includes a plurality of entries, each of said plurality of entries pointing to a corresponding
3 one of said tabular data lists.

1 12. A collaborative design system as in claim 11, wherein each entry in said plurality
2 of entries includes an offset from a first listed data element and a number of listed data
3 elements in said corresponding one.

1 13. A collaborative design system as in claim 8, wherein design responsibility for
2 each of said data generation module, said page generation module and said HTML
3 template files is assignable to a different design group.

1 14. A system having a web-based management interface providing selection amongst
2 a plurality of web pages selectable for display, said web-based management interface
3 comprising:

4 a data generation module generating variable data for display;

5 a hypertext mark up language (HTML) template file collection, ones of said
6 HTML template files including placeholders in markup text for dynamic input data;

7 a page generation module selectively providing HTML documents from said
8 HTML template files, said page generation module combining said variable data with
9 said placeholders in selected said ones; and

10 each of said data generation module and said page generation module including a
11 page pointer table with a single entry for each of said HTML template files, each said

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single entry for each of said ones pointing to a corresponding repeatable data structure and a page map for tabular data lists in said corresponding repeatable data structure, said tabular data lists being displayed as a table on a generated said HTML document.

15. A system as in claim 14, wherein each said single entry further includes a number indicating the length of said page map.

16. A system as in claim 15, wherein at least one said page map includes a plurality of entries, each of said plurality of entries pointing to a corresponding one of said tabular data lists and each of said plurality of entries includes an offset from a first listed data element and a number of listed data elements in said corresponding one.

17. A program product for managing a system, said computer program product comprising a computer usable medium having computer readable program code thereon, said computer readable program code comprising:

computer readable program code means for generating variable data for display and storing generated said variable data according to a page pointer table, said page pointer table having a single entry for each of a plurality of hypertext mark up language (HTML) files, each said single entry pointing to a corresponding repeatable data structure and a page map for tabular data lists in said corresponding repeatable data structure, said tabular data lists listing said generated data;

computer readable program code means for defining said plurality of HTML files; and

computer readable program code means for selectively generating HTML documents from defined said HTML files and stored said variable data.

18. A program product as in claim 17, wherein each said single entry further indicates the length of said page map.

1 19. A program product as in claim 18, wherein each entry in each said page map
2 includes an offset pointing to a corresponding one of said tabular data lists and a number
3 of listed data elements in said corresponding one.